

# THE OHIO JOURNAL OF SCIENCE — TABLE OF CONTENTS — VOLUME 102

## NUMBER 2 — APRIL

S. C. Barras and S. E. Wright	2	Civil Aircraft Collisions with Birds and Other Wildlife in Ohio, 1990-1999
D. A. Swanson and W. L. Culbertson	8	Distribution and Relative Abundance of Ruffed Grouse ( <i>Bonasa umbellus</i> ) in Ohio in 1998
R. A. Bradley	11	Type Specimens of Araneae Held in the William Morton Barrows Spider Collection
M. F. Lucas and K. E. Medley	15	Landscape Structure and Nutrient Budgets in an Agricultural Watershed, Southwest Ohio
D. K. Parshall and J. Watts	24	The Dainty Sulphur Butterfly in Ohio
D. L. Rubino and J. C. Cavender	27	The Myxomycetes of Athens County, Ohio
	30	Book Review Responses
	31	List of Reviewers, Vol. 101

---

## NUMBER 3 — JUNE

B. W. Smith, J. G. Spinelli, and Y. Zhou	34	Geographic Patterns of Student Enrollment in Ohio's State-Assisted Universities
R. C. Glotzhober and D. L. Moody	40	<i>Somatochlora walshii</i> (Odonata: Corduliidae), a New State Record for Ohio
D. A. Swanson and R. P. Dettmers	43	Status of Ohio's Breeding Birds: Identifying Species of Management Concern
E. F. Roseman, W. W. Taylor, D. B. Hayes, J. Fofrich, Sr., and R. L. Knight	51	Evidence of Walleye Spawning in Maumee Bay, Lake Erie
D. J. Ingold	56	Use of a Reclaimed Stripmine by Grassland Nesting Birds in East-Central Ohio
	63	Book Review

---

## NUMBER 4 — SEPTEMBER

P. A. Geis	66	2002 James P. Barry Ohioana Award for Editorial Excellence
	67	Science and Technology Policy Issues of Concern to Ohio's Leaders: A Report of the Science Policy Advisory Committee of The Ohio Academy of Science
D. J. Ninke and J. E. Evans	70	Alluvial Architecture of the Early Pennsylvanian Sharon Formation in Northeastern Ohio
A. Bauer, J. T. Hannibal, C. B. Hanson, and J. V. Elmore	82	Distribution in Time, Provenance, and Weathering of Gravestones in Three Northeastern Ohio Cemeteries

---

## NUMBER 5 — DECEMBER

J. Boyer, T. File, and W. Franks	98	West Nile Virus: The First Pandemic of the Twenty-First Century
D. A. Donahue, C. L. Bowen, T. L. Provost, and L. A. Meserve	102	Effects of PCB on Reproductive Success in Sprague-Dawley Rats Exposed to Aroclor 1254® for One Year
H. H. Fisher	106	Hydraulic Conductivity of Ohio's Glaciated Soil, Its Implications, and Suggestions for Future Studies
D. D. Kane	110	Science in the Art of the Italian Renaissance I: Ghiberti's <i>Gates of Paradise</i> —Linear Perspective and Space
D. D. Kane	113	Science in the Art of the Italian Renaissance II: Leonardo Da Vinci's Representation of Animals in His Works
K. H. Ferry and R. A. Wright	116	<i>Bythotrephes cederstroemi</i> in Ohio Reservoirs: Evidence from Fish Diets
R. W. Russell, G. J. Lipps, Jr., S. J. Hecnar, G. D. Haffner	119	Persistent Organic Pollutants in Blanchard's Cricket Frogs ( <i>Acris crepitans blanchardi</i> ) from Ohio
R. Brodman	123	Twelve-Year Study Monitoring Two Species of Pond-Breeding Salamanders in Northeast Ohio
	128	Book Reviews
	130	Necrology
	137	Officers, Committees, and Academy Representatives for 2002-2003
	138	Index to Volume 102
	147	Table of Contents, Volume 102